IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT OPERATION

In re Application of:

Philip F. Valenziano

Serial No.: 10/648,877 Group Art Unit:

Filed: August 27, 2003 Examiner:

For: FIRE RETARDANT POKE-THROUGH FITTING

New York, NY 10036
November 12, 2003

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

The following statement of relevance is submitted with the accompanying Form PTO-1449.

Document Designation	Relevance
AA 6,307,152	Relates to a fire-rated, poke-through floor fitting preferably for use in a three inch diameter bore within a floor. The fitting has an electrical receptacle that is sized to fit within the three inch bore. The receptacle preferably has two pairs of electrical outlets coupled to the electrical receptacle along with four voice/data jacks. The fitting provides a high number of electrical outlets and voice/data jacks, while maintaining a relatively low profile and easy accessibility. Each pair of electrical outlets can be separately connected to different power sources or each pair can be connected to the same power source.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail on **November 12, 2003** in an envelope addressed to:

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Kenneth F. Florek

AB 6,114,623	Relates to a fire-rated, poke-through floor fitting preferably for use in a three inch diameter bore within a floor. The fitting has an electrical receptacle that is sized to fit within the three inch bore. The receptacle preferably has two pairs of electrical outlets coupled to the electrical receptacle along with four voice/data jacks. The fitting provides a high number of electrical outlets and voice/data jacks, while maintaining a relatively low profile and easy accessibility. Each pair of electrical outlets can be separately connected to different power sources or each pair can be connected to the same power source.
AC 6,018,126	Relates to an in-floor, flush poke-through wiring which may be installed in the floor of a structure to enable the activation of power, communication, and/or data services at the fitting location. The poke-through fitting includes an interference shielding barrier to prevent E.M. and R.F. interference with the signal services. The poke-through fitting also includes pre-shaped fire-retarding materials, which are encapsulated to prevent degradation and damage. The poke-through fitting accommodates RJ-45 Category 5 signal jacks such that the faces of the jacks are mounted substantially flush with an upper outwardly facing surface of the fitting.
AD 5,814,764	Relates to an insert for a poke-through fitting, including a plurality of sealing elements adapted to absorb heat, expand, and flow into openings under pressure, and a plurality of insulating elements adapted to absorb heat, cure, cross-link, emit water, and dissipate heat, upon activation by heat and flame from a fire. The sealing and insulating elements are adapted to enable the fire rating of the floor in which the poke-through fitting is installed to be substantially the same with or without the hole and fitting therein, to enable the hole in the floor to be smaller to reduce the hazard of transmission of heat and flame from a fire therethrough, and to enable the capacity for passing wires to be greater in the smaller hole for increased wire capacity. The insert further includes a retaining element, assisted by compressible sealing elements, adapted to enable the insert to be retained in the hole in the floor, and, upon exertion of increased pulling force, to be held fast in the hole in the floor, to prevent the safety hazard of electrical shock and fire from exposed live ends of pulled-apart power wires.
AE 5,763,826	Relates to a fitting, adapted to fit in a hole formed in a fire-rated floor, to enable activated wires to be connected thereto and therethrough for activation as an outlet. The fitting includes a receptacle which includes a plurality of

	bus bars adapted to connect and isolate current inputs to enable the fitting to accommodate multiple power plugs for multiple electronic devices. It further includes intumescent rings and phenolic insulating rings adapted to seal the floor hole and wires extending through the fitting, to enable the fire rating of the floor to be substantially the same with or without the hole and fitting therein.
AF 58,696,349	Relates to a service fitting which may be installed in the floor of a structure. It enables activation of power, communication, and/or data services at the fitting location. It includes wedge locks, which releasable engage the floor opening. The wedge locks are operable from above the floor, to engage with and release from the floor opening. The fitting further includes elements for retarding transmission of fire through the floor opening and the fitting. They maintain the fire rating of the floor at substantially the same level with or without the floor opening and fitting in the floor.
AG 5,641,940	Relates to a poke-through electrical connector including an elongate, generally tubular housing member and at lease one retaining clip for securing the connector in and interfloor passage. The retaining clip includes a transverse flexure portion and at lease one anchor point dimensioned and angled from the flexure portion for substantially radially-directed engagement with the wall of the interfloor passage. Displacement of the anchor point results in a compressive load which causes a bending moment to develop in the transverse flexure portion. The flexure results in application of a reactive retaining force by the anchor point.
AH 5,410,103	Relates to a poke-through wiring device and, more particularly, a self-anchoring poke-through wiring device which is positioned in a floor aperture of a concrete building floor for conducting electrical power and telecommunication signals between the work spaces of multi-storied building. The device incorporates anchoring clips in the shape of flat, essentially rectangular or polygonal non-resilient metal plates which are securely fastened by means of screw fasteners in surface contact with at least one plate of a sandwich-type fire retardant disc structure, and with the clips projecting radially outwardly thereof so as to have the outer edge or at least to corner of each anchoring clip severely bent and permanently deformed upon insertion of the wiring device into the floor aperture, thereby firmly contacting and grippingly engaging into the concrete wall surface of the perimeter of a floor aperture, and causing the entire

	poke-through wiring device of fitting to be firmly anchored in the aperture in a predetermined angular orientation relative to the aperture axis as required by the specific installation.
AI 5,393,930	Relates to a self-anchoring flush-type poke-through electrical wiring fitting which is adapted to be positioned in a floor aperture which is formed in a concrete building floor, for enabling the conducting of electrical power and telecommunication signals between the work spaces of multi-storied buildings. A retainer clip is engaged between a floor cup structure and disc-shaped fire barrier inhibiting displacement of the retainer clip. The retainer clip is constructed of a cold-worked stainless steel material, preferably such as type 302 or 304 annealed stainless steel possessing a minimal degree of resilience.
AJ 5,032,690	Relates to a poke-through connector assembly which may be assembled in an aperture within a concrete floor from only one side thereof. The connector includes a molded basket of electrical and thermal insulating material having an upper surface joined to a lower surface by integral columns. A flange extending from the upper surface prevents the connector from passing through the floor aperture, while a spring clip attached to the lower surface of the basket prevents the withdrawal of the connector. An electrical conduit is attached to the lower surface of the basket by the spring clip. Intumescent material placed within the basket expands to fill the aperture within the floor when a fire on the lower surface of the floor heats the connector. The conduction of heat from the fire through the connections is reduced because the insulating basket provides no metal conductive path from the electrical conduit and the spring clip to the upper surface of the basket. Once the basket of the connector fails, the spring clip prevents the connector form falling through the floor aperture, thus maintaining the fire rating of the connector within the floor.
AK 5,003,127	Relates to an electrical connection housing assembly for insertion in an interior passage for floor-to-floor electrical transmission of both power and communication includes a first housing comprised of first matter, a second housing comprised of second matter of lesser heat conductivity than the first matter, the second housing having a first portion assembled with the first housing and a second portion extending from the first housing and a divider arrangement for separating respective power and communication cables to be inserted in the assembly from one another. The divider arrangement includes a first divider, comprised of a resilient strip intumescent

material, fixedly supported in the assembly and a second divider removably supported in the assembly and in registry with the first divider for jointly defining respective power and communication channels through the assembly. Diverse power pedestals can be individually applied to the assembly, which has capability for the receipt of different such second dividers associated with the different pedestals. The second different divider may be formed derivatively from the first divider.

AL
4,770,643

Relates to a fitting provided for enabling a plurality of high and low voltage conductors to be activated thereby at a selected in-floor location therefor. A substantially flush top portion of the in-floor fitting enables efficient access to receptacles pre-wired for enabling connection of high voltage conductors thereto, and prevents tripping thereon. Fire retarding elements mounted in the fitting retard and prevent transmission of excess heat and flame through the fitting and through the floor opening in which the fitting is adapted to be mounted. Movable side plates in the substantially flush top portion of the fitting are automatically biased together so as to cover the top high voltage conductor outlet portion of the fitting when not in use, and are adapted to be readily separated such that openings therein are aligned with openings in the top outlets enabling connection of high voltage conductors thereto. Channels formed in the side portions of the fitting are adapted to receive low voltage conductors retrofitted or fitted thereinto, for low voltage activation thereof.

AM
Re.32,678

Relates to a poke-thru floor fitting serviced by a thru-floor unit. The latter unit includes: a retaining clip; wafers made of intumescent material and a top spacer made of insulating material disposed in the space between the clip and the base of the floor fitting; a bottom spacer made of insulating material under the clip; top and bottom retainers under the bottom spacer; and wafers made of intumescent material disposed in the space between the retainers. The assembly is held together by screws.

AN
4,573,297

Relates to poke-thru floor fitting serviced by a thru floor unit in a bore in the floor and carries power and/or communications conductors. The thru floor unit comprises a pair of mounting screws which extend down through the floor fitting base with the heads engaging the base. The mounting screws carry a flexible finger type retaining clip to grip the side of the bore. Above the retaining clip, on the mounting screws, are top separator

	means which maintain the clip and base a fixed distance apart. Intumescent material and a top spacer are loosely disposed in the space between the clip and the base. Below the retaining clip, on the mounting screws, is a bottom spacer. Below the bottom spacer are top and bottom retainers held a fixed distance apart by separator means. Intumescent material is loosely disposed in the space between the top and bottom retainers. The bottom retainer has nuts in which the screws are threaded.
AO 4,572,923	Relates to a device for enabling cables to be pulled therethrough and through a cellular floor system in which the device is adapted to be mounted, for activating a service fitting at a desired location in the floor. The device is press-fittable into aligned substantially uniform-diameter holes, formed through the slab floor, after setting of the concrete therein, and through an adjacent wall of a raceway cell in an underfloor raceway cellular deck.
AP 4,496,790	Relates to a self-anchoring poke-thru wiring device for the extension of communication and/or electrical wiring through a passage in a floor designed to prevent the spread of fire from one side of the floor to the other and facilitate ready installation and removal of the device from above the floor opening. The device includes a pair of upper conduit portions aligned with a pair of lower conduit portions and a plurality of fire resistant expandable disks retained between an upper and a lower plate intermediate the pairs of conduit portions, the disks and plates including aligned apertures with the conduit portions providing separate wireway channels. The upper conduit portions lead into an outlet box via a floor plate. A pair of generally V-shaped resilient retaining members are removably secured to opposite sides of the upper plate. Each retaining member includes a base leg which is removably secured by a screw to the upper plate and a retaining leg which includes a generally V-shaped notch providing a pair of barbs at the distal end of each leg which extend radially outward pas the periphery of the upper and lower plates a sufficient distance to retain the assembly within a floor opening upon insertion. The floor plate of the outlet box includes a plurality of openings aligned with the notches and retaining screws to permit release of the retaining members form above the floor through the floor plate facilitating ready removal of the device from above the floor.

AQ 4,477,694	Relates to a through-floor electrical outlet fitting, for insertion into structural openings of minimum diameter. The device has means for interlocking with and conforming to such openings, and to those of a wide range of thicknesses, for locking the device in the opening. Raceway means in the device separate passage therethrough and transfer of electrical service cables for at least two different electrical functions or services, such as high and low voltage insulated cables. The device has intumescent means thereon, encircling the cable raceways to conform the length thereof to varying depths of structural openings, as fire rated insulating barriers, so disposed that there is no need for a multiplicity of devices of field adjustments for varying depths of structural openings. The device and above-floor service head portions are capable of accepting maximum size low voltage communication cables, through the use of a radiator separately mounted in the service head, to allow dissipation of heat to a non-sensitive area.
AR 4,336,416	Relates to a fire-rated feed-through fitting for transferring insulated wires through an opening formed in a concrete floor for connection to receptacles mounted on a compartmentalized head assembly, which includes a feed-through assembly disposed in the floor opening and non-rigidly coupled to the head assembly, and a retaining clamp for securing the fitting to the floor. The fitting includes a floor cup for storing excess slack wire, a conduit formed of at least one section, and at least one intumescent fire insulating barrier disposed between the floor cup and the conduit. The retaining clamp includes a collar portion slidably and rotably disposed on the feed-through conduit, and fastening screws for securing the collar portion to the conduit. Retractable arm portions are slidably mounted on the collar portion to enable utility of the fitting with floor openings of minimum size. The retractable arm portions include threaded fastening screws which are independently adjustable to engage a floor bottom face surface and thereby clamp the fitting of the invention to the floor by means of the floor cup and the retaining clamp.
AS 4,323,724	Relates to a unitary insertable self-anchoring poke-thru wiring device for building construction including a tombstone outlet box dimensioned to overlie and conceal a standard floor aperture opening into an occupied space, the hollow elongated conduit means extending through the aperture, a narrow elongated junction box dimensioned to pass lengthwise through the aperture and anchored to the conduit means, fire-retardant means

centrally anchored to the hollow conduit positioned inside the aperture, and a conically-dished resilient spring washer encircling and anchored to the hollow conduit means adjacent to the fire retardant means and having its conical surface concavely diverging toward the outlet box, with its periphery notched and dimensioned for wedging engagement in the standard aperture, the poke-thru wiring device thus being adapted for unitary insertion form the occupied space into the aperture, with the resilient spring washer wedgingly engaging the internal wall of the standard aperture retaining the wiring device captively installed therein.

AT
4,264,779

Relates to a poke-through electrical fitting device for placement in a passageway such as a cylindrical hole through a wall, floor, or the like, which may be of concrete or some other fire rated barrier. The fitting is designed to prevent the spread of fire from one side of the fire rated barrier to the other, to protect the conductors and to facilitate installation, by requiring minimum disassembly or assembly during the installation which may be accomplished by a single craftsman. The fitting includes a channel member through which the conductors pass. Pivotally coupled to the channel member are spring biased wing members which extend laterally and which include wedge points for binding engagement with the interior of the passageway. The wing members and wedge points may be released from the underside to facilitate removal of the fitting. A thermal barrier is included to inhibit heat transfer, and other sealing members are provided as a barrier to any products of combustion. The fitting may include a divider to allow multiple classes of wiring. A sliding collar assembly may be used at the lower end of the fitting to provide an auxiliary fire barrier at the lower limit of the passageway or hole.

AU
4,243,835

Relates to a non-rigid mechanical coupling for coupling a head assembly of a feed-through fitting to a slotted wiring conduit inserted in an opening formed in the floor of a building, wherein an apertured conduit flange is provided with plural tabs extending radially inwardly into plural slots formed in a common transverse plane in the conduit such that the conduit flange tabs are loosely retained in the conduit slots to provide a non-rigid mechanical connection therebetween. Assembly of the connection is achieved by forming the slots in the conduit, deforming radially inwardly each axial portion of the conduit between each slot and the end of the conduit, orienting the conduit flange at the end of the

	conduit in alignment with the deformed portions of the conduit, sliding the conduit flange onto the conduit until the tabs are seated against the underformed edge of the slots, and reforming the deformed conduit portions to their original cross-section, whereby the tabs are radially and axially confined by the respective slots.
AV 4,091,231	Relates to an adjustable floor receptacle which includes a compartmentalized construction provided with fire barriers and partitions arranged to insure electrical and mechanical isolation between discrete power and communication cables terminating therewithin.

Copies of the cited references are enclosed herewith. It is respectfully requested that this art be considered by the Examiner in the above-identified application and made of record therein.

Applicant believes that no fee is due in connection with the filing of the present Information Disclosure Statement. Notwithstanding, the Commissioner is hereby authorized to charge any fees required in connection with this Information Disclosure Statement to Deposit Account No. 08-1540. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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FORM PTO-1449 U.S. P.T.O. 1449 | U.S. Department of Commerce, Patent and Trademark Office

Attorney DOCKET NO.	SERIAL NO.
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APPLICANT(S)	
Philip F. Valenziano	
FILING DATE	GROUP
August 27, 2003	

LIST OF PRIOR ART CITED BY APPLICANT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE.
	AA	6	3	0	7	1	5	2	10/23/2001	Bonilla et al.			
	AB	6	1	1	4	6	2	3	9/5/2000	Bonilla et al.			
	AC	6	0	1	8	1	2	6	1/25/2000	Castellani et al.			
	AD	5	8	1	4	7	6	4	9/29/1998	Hohaut			
	AE	5	7	6	3	8	2	6	6/9/1998	Castellani et al.			
	AF	5	6	9	6	3	4	9	12/9/1997	Bera			
	AG	5	6	4	1	9	4	0	6/24/1997	Whitehead			
	AH	5	4	1	0	1	0	3	4/25/1995	Wuertz			
	AI	5	3	9	3	9	3	0	2/28/1995	Wuertz			
	AJ	5	0	3	2	6	9	0	7/16/1991	Bloom			
	AK	5	0	0	3	1	2	7	3/26/1991	Sosinski et al.			
	AL	4	7	7	0	6	4	3	9/13/1988	Castellani et al.			
	AM	R.	E	3	2	6	7	8	5/31/1988	Benscoter et al.			
	AN	4	5	7	3	2	9	7	3/4/1986	Benscoter et al.			
	AO	4	5	7	2	9	2	3	2/25/1986	Castellani et al.			
	AP	4	4	9	6	7	9	0	1/29/1985	Spencer			
	AQ	4	4	7	7	6	9	4	10/16/1984	Kohaut			
	AR	4	3	3	6	4	1	6	6/22/1982	Goodsell			
	AS	4	3	2	3	7	2	4	4/6/1982	Shine			
	AT	4	2	6	4	7	7	9	4/28/1981	Rhodes et al.			
	AU	4	2	4	3	8	3	5	1/6/19814	Ehrenfels			
	AV	4	0	9	1	2	3	1	5/23/1997	Sotolongo			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	BA													
	BB													
	BC													
	BD													

(OTHER PRIOR ART, INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.